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Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

E本語宣言書

マニの氏名の発明者として、私は以下の通り宣言します。	As a below named inventor, I hereby declare that:
私の住所、私書箱、国籍は下記の私の氏名の後に記載された通りです。	My residence, post office address and citizenship are as stated next to my name.
下記の名称の発明に関して請求範囲に記載され、特許出題 している発明内容について、私が最初かつ唯一の発明者(下 記の氏名が一つの場合)もしくは最初かつ共同発明者である と(下記の名称が複数の場合)信じています。	I believe I am the original, first and sole inventor (If only one name is listed below) or an original, first and joint inventor (If plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
	SEMICONDUCTOR DEVICE AND METHOD
	OF MANUFACTURING THE SAME
た記発明の明細書(下記の掲でx目がついていない場合は、本書に悉付)は、 「	the specification of which is attached hereto unless the following box is checked: Was filed on July 13, 1998 as United States Application Number or PCT International Application Number 09/115,094 and was amended on (if applicable).
私は、特許請求範囲を含む上記訂正後の明細書を検討し、 内容を理解していることをここに表明します。	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.
利は、運和規則法典第37編第1条56項に定義されると おり、存許資格の有無について重要な情報を開示する義務が あることを認めます。	I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

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Japanese Language Declaration (日本語宣言書)

私は、米国法典第35種119条(a)-(d)項又は365条(b)項に基さ下記の、米国以外の国の少なくとも一世国を指定している特許協力条約365(a)項に基于く国際出類、又は外国での特許出類もしくは発明者証の出離についての外国優先権をここに主張するとともに、優先権を主張している。本出類の前に出難された特許または発明者証の外国出額を以下に、極内をマークすることで、示しています。

Prior Foreign Application(s)

外国での先行出版 9-205347 Japan (Number) (Country) (番号) (早名) (Number) (Country) (番号) (国名)

私に、第35編米国法典119条(e)項に基いて下記の米 信告計出額規定に記載された権利をここに主張いたします。

(Application No.) (Filing Date) (出頗音号) (出頗日)

私は、下記の米国法典第35期120条に基いて下記の米国特許出版に記載された權利、又は米国を指定している特許協力条約365条(c)に基ずく権利をここに主張します。また、本出期の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出額に開示されていない限り、その先行米国出額香提出日以為で本出版香の日本国内または特許協力条約国際提出日までの期間中に入手された、運邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

(Application No.) (Filing Date) (出版音号) (出版日)

(Application No.) (Filing Date) (出版音号) (出版日)

私は、私自身の知識に基ずいて本宣言書中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じるところに基ずく表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基ずき、罰金または拘禁、もしくはその両方により処罰されること。そしてそのような故意による虚偽の声明を行なえば、出頭した。又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく直誓を致します。

I hereby claim foreign priority under Title 35. United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed 優先権主要なし

July 14、1997
(Day/Month/Year Filed)
(出版年月日)
(Day/Month/Year Filed)

(出類年月日)

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.) (Filing Date) (出顧音号) (出顧日)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.86 which became available between the filing date of application and the national or PCT International filing date of application.

(Status: Patented, Pending, Abandoned) (現況: 特許許可済、係属中、放棄済)

(Status: Patented, Pending, Abandoned) (現況: 特許許可済、保護中、放棄済)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Language Declaration (在全国宣布中)

支信状: 私に下記の発明者として、本出頭に関する一切の 子弟さら米特許所据詩に対して遂行する弁理士当たは代理人 人の氏名及び登録音号を明記のこと)

Scott C. Harris Reg. No. 32,030

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this として、下記の者を指名いたし当主。(弁護士、当たは代理 application and transact all business in the Patent and Trademark Office connected therewith (Ilst name and registration number)

ること)

言項送付元 Scott C. Harris FISH & RICHARDSON

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(第三以降の共同発明者について		(Supply similar information and signature for third and

Page 3 of 3a

subsequent joint inventors.)

Please see attached page 3a for names, addresses and signatures of additional inventors, if any.

三共同発明者		Full name of third joint inventor, if any
		Akiharu MIYANAGA
発明者の署名	日付	Inventor's signature Date
		ak han Onyanga November 10, 199
 È所		Residence November 10, 199
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· 第四共同発明者		Full name of fourth joint inventor, if any
7 - 7 (- 7) C - 7 C		
**************************************		Toru MITSUKI Inventor's signature Date
発明者の署名	日付	
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第五共同発明者		Full name of fifth joint inventor, if any
		Takeshi FUKUNAGA
発明者の署名		Inventor's signature Date
		Jakeshi Fukunaga November 10, 1998
主所		Residence
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国籍		Citizenship
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私書箱 第六共同発明者 発明者の署名		Citizenship Japanese Post Office Address c/o SEMICONDUCTOR ENERGY LABORATORY CO., LTD. 398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan Full name of sixth joint inventor, if any Inventor's signature Date Residence
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MARCH 12, 1999

PTAS

FISH & RICHARDSON P.C. SCOTT C. HARRIS 4225 EXECUTIVE SQUARE, SUITE 1400 LAJOLLA, CA 92037 UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



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RECORDATION DATE: 11/16/1998 REEL/FRAME: 9595/0211 NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

YAMAZAKI, SHUNPEI DOC DATE: 11/10/1998

ASSIGNOR:

OHTANI, HISASHI DOC DATE: 11/10/1998

ASSIGNOR:

MIYANAGA, AKIHARU DOC DATE: 11/10/1998

ASSIGNOR:

MITSUKI, TORU DOC DATE: 11/10/1998

ASSIGNOR:

FUKANAGA, TAKESHI — DOC DATE: 11/10/1998

ASSIGNEE:

SEMICONDUCTOR ENERGY LABORATORY CO., LTD. 398, HASE, ATSUGI-SHI KANAGAWA-KEN 243-0036, JAPAN

No Docketing Required •

Reviewed By Practice Systems

Initials:

Reviewed By Billing Secretary

Initials:

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9595/0211 PAGE 2

SERIAL NUMBER: 09115094

PATENT NUMBER:

FILING DATE: 07/13/1998 ISSUE DATE:

KIMBERLY WHITE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

Assistant Commissioner for Paten

1. Name of conveying party(ies): Shunpei Yamazaki Hisashi Ohtani Akiharu Miyanaga Toru Mitsuki Takeshi Fukunaga

3. Nature of conveyance: ■ Assignment □ Merger

5. Name/address of party to whom correspondence concerning document should be mailed:

4. Application number(s) or patent number(s):

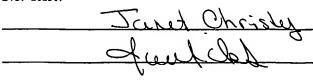
11-25-1998



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11-16.98		iiiiiii	R SH T
istant Commissioner for Pat	1009108	09	an original document.
Name of conveying party(ie Shunpei Yamazaki Hisashi Ohtani Akiharu Miyanaga Toru Mitsuki Takeshi Fukunaga			Name and address of receiving party(ies): Semic nductor Energy Lab rat ry C ., Ltd. 398, Hase, Atsugi-shi Kanagawa-ken 243-0036 Japan Additional names/addresses attached? □ Yes ■ No
Additional name(s) attached	d? □ Yes ■ No		
Nature of conveyance: ■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other:			
Execution Date: 11/10/98; 11/10/98 and 11/10/98 resp			
Application number(s) or pa If this document is being file A. Patent Application No.(s 09/115,094	ed with a new application, the		n date of the application is: Patent No.(s):
	Additional number	ers attache	d? □ Yes ■ No
Name/address of party to w concerning document shou		•	Total number of applications/patents involved: 1
Scott C. Harris, Reg. No. 3 Fish & Richardson P.C. 4225 Executive Square, S La Jolla, CA 92037			Total fee (37 CFR 3.41): \$40
,		8.	Deposit account number: 06-1050 If the fee above is being charged to deposit account a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
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11/24/1998 DNGUYEN 00000105 09115094

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FISH & RICHARDSON P.C.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

having the address:

398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the Title:

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME

Attorney Docket No: 07977/247001

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No. 09/115,094 Filing Date: July 13, 1998

- 1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue application or in any amendments, extension or interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.
- 2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Page 1 of 2

- 3. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.
- 4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.
- 5. The undersigned hereby grant(s) to the firm of Fish & Richardson P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

November 10, 1998	Show Juli
Date	Typed Name: Shuppei YAMAZAKI
November 10, 1998 Date	Aisashi Ohtani Typed Name: Hisashi OHTANI
November 10, 1998 Date	Typed Name: Akiharu MIYANAGA
November 10, 1998 Date	Jorn Mitsuki Typed Name: Toru MITSUKI
November 10, 1998 Date	<u>Jakeshi Tukunaga</u> Typed Name: Takeshi FUKUNAGA
Date	Typed Name:
Date	Typed Name:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shunpei Yamazaki, et al.

Art Unit : 2826

Serial No.: 09/115,094

Examiner: F. Abraham

Filed

: July 13, 1998

Confirmation No.: 1000

Title

: SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE

SAME

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

ASSOCIATE POWER OF ATTORNEY

Please recognize John F. Hayden, Reg. No. 37,640; James E. Mrose, Reg. No. 33,264; Phyllis K. Kristal, Reg. No. 38,524; W. Karl Renner, Reg. No. 41,265; Gregory A. Walters, Reg. No. 41,366; Diana DiBerardino, Reg. No. 45,653; Joseph F. Key, Reg. No. 44,827; Harold H. Fox, Reg. No. 41,498; Scott R. Boalick, Reg. No. 42,337; Mark E. Wadrzyk, Reg. No. 45,187; Benjamin D. Driscoll, Reg. No. 41,571; Ruffin B. Cordell, Reg. No. 33,487; Michael McKeon, Reg. No. 37,888; Linda Liu Kordziel, Reg. No. 39,732; Lauren A. Degnan, Reg. No. 40,584; Joseph V. Colaianni, Jr., Reg. No. 39,948; William G. Hughes, Jr., Reg. No. 46,112; William E. Booth, Reg. No. 28,933; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; G. Roger Lee, Reg. No. 28,963; John B. Pegram, Reg. No. 25,198; Thomas A. Rozylowicz, Reg No. 50,620; Kevin Greene, Reg. No. 46,031; Barbara V. Benoit, Reg. No. 54,777; Brian T. Racilla, Reg. No. 54,382 and John E. Mauk, Reg. No. 54,579, as my associate attorneys/agents in the above application, with full powers.

Please direct all future official communications to Customer No. 26171.

Respectfully submitted

Scott C. Harris

Reg. No. 32,030

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